

CRF Errors Corrected by the STIC Systems Branch

03CD

018 #9

Serial Number: 10/085,233B

CRF Processing Date: 10/25/02
 Edited by: DC
 Verified by: DC (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.



OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/085,233B

DATE: 10/25/2002
 TIME: 10:37:57

p.6

Input Set : A:\PTO.DC.txt
 Output Set: N:\CRF4\10252002\J085233B.raw

4 <110> APPLICANT: GLUCKSMANN, MARIA ALEXANDRA
 6 <120> TITLE OF INVENTION: 93870, A HUMAN G-PROTEIN COUPLED
 7 RECEPTOR AND USES THEREFOR
 9 <130> FILE REFERENCE: MPI2001-021P1RCP1M
 11 <140> CURRENT APPLICATION NUMBER: 10/085,233B
 13 <141> CURRENT FILING DATE: 2002-02-28
 15 <150> PRIOR APPLICATION NUMBER: 60/272,677
 17 <151> PRIOR FILING DATE: 2001-03-01
 19 <160> NUMBER OF SEQ ID NOS: 6
 21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 1684
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Homo sapiens
 28 <220> FEATURE:
 29 <221> NAME/KEY: CDS
 30 <222> LOCATION: (147)...(1085)
 32 <223> OTHER INFORMATION: n at position 1384 can be any
 33 nucleotide
 35 <400> SEQUENCE: 1
 36 tcgacaggtg acacaatttt ccaactattc ttctagcaat gattttcaac aattataaaa 60
 37 tggaagtgt agactggata agagatgctc agctaaggga gttcctggat ggcctttaga 120
 38 ttgatacacc aatcctctga aattgc atg caa aaa tgt gac ttc cca agt atg 173
 39 Met Gln Lys Cys Asp Phe Pro Ser Met
 40 1 5
 42 cct ggc cac aat acc tcc agg aat tcc tct tgc gat cct ata gtg aca 221
 43 Pro Gly His Asn Thr Ser Arg Asn Ser Ser Cys Asp Pro Ile Val Thr
 44 10 15 20 25
 46 ccc cac tta atc agc ctc tac ttc ata gtg ctt att ggc ggg ctg gtg 269
 47 Pro His Leu Ile Ser Leu Tyr Phe Ile Val Leu Ile Gly Gly Leu Val
 48 30 35 40
 50 ggt gtc att tcc att ctt ttc ctc ctg gtg aaa atg aac acc cgg tca 317
 51 Gly Val Ile Ser Ile Leu Phe Leu Leu Val Lys Met Asn Thr Arg Ser
 52 45 50 55
 54 gtg acc acc atg gcg gtc att aac ttg gtg gtg gtc cac agc gtt ttt 365
 55 Val Thr Thr Met Ala Val Ile Asn Leu Val Val Val His Ser Val Phe
 56 60 65 70
 58 ctg ctg aca gtg cca ttt cgc ttg acc tac ctc atc aag aag act tgg 413
 59 Leu Leu Thr Val Pro Phe Arg Leu Thr Tyr Leu Ile Lys Lys Thr Trp
 60 75 80 85
 62 atg ttt ggg ctg ccc ttc tgc aaa ttt gtg agt gcc atg ctg cac atc 461
 63 Met Phe Gly Leu Pro Phe Cys Lys Phe Val Ser Ala Met Leu His Ile
 64 90 95 100 105

RAW SEQUENCE LISTING

DATE: 10/25/2002

PATENT APPLICATION: US/10/085,233B

TIME: 10:37:57

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\10252002\J085233B.raw

```

66 cac atg tac ctc acg ttc cta ttc tat gtg gtg atc ctg gtc acc aga 509
67 His Met Tyr Leu Thr Phe Leu Phe Tyr Val Val Ile Leu Val Thr Arg
68 110 115 120
70 tac ctc atc ttc ttc aag tgc aaa gac aaa gtg gaa ttc tac aga aaa 557
71 Tyr Leu Ile Phe Phe Lys Cys Lys Asp Lys Val Glu Phe Tyr Arg Lys
72 125 130 135
74 ctg cat gct gtg gct gcc agt gct ggc atg tgg acg ctg gtg att gtc 605
75 Leu His Ala Val Ala Ala Ser Ala Gly Met Trp Thr Leu Val Ile Val
76 140 145 150
78 att gtg gta ccc ctg gtt gtc tcc cgg tat gga atc cat gag gaa tac 653
79 Ile Val Val Pro Leu Val Val Ser Arg Tyr Gly Ile His Glu Glu Tyr
80 155 160 165
82 aat gag gag cac tgt ttt aaa ttt cac aaa gag ctt gct tac aca tat 701
83 Asn Glu Glu His Cys Phe Lys Phe His Lys Glu Leu Ala Tyr Thr Tyr
84 170 175 180 185
86 gtg aaa atc atc aac tat atg ata gtc att ttt gtc ata gcc gtt gct 749
87 Val Lys Ile Ile Asn Tyr Met Ile Val Ile Phe Val Ile Ala Val Ala
88 190 195 200
90 gtg att ctg ttg gtc ttc cag gtc ttc atc att atg ttg atg gtg cag 797
91 Val Ile Leu Leu Val Phe Gln Val Phe Ile Ile Met Leu Met Val Gln
92 205 210 215
94 aag cta cgc cac tct tta cta tcc cac cag gag ttc tgg gct cag ctg 845
95 Lys Leu Arg His Ser Leu Leu Ser His Gln Glu Phe Trp Ala Gln Leu
96 220 225 230
98 aaa aac cta ttt ttt ata ggg gtc atc ctt gtt tgt ttc ctt ccc tac 893
99 Lys Asn Leu Phe Phe Ile Gly Val Ile Leu Val Cys Phe Leu Pro Tyr
100 235 240 245
102 cag ttc ttt agg atc tat tac ttg aat gtt gtg acg cat tcc aat gcc 941
103 Gln Phe Phe Arg Ile Tyr Tyr Leu Asn Val Val Thr His Ser Asn Ala
104 250 255 260 265
106 tgt agc agc aag gtt gca ttt tat aac gaa atc ttc ttg agt gta aca 989
107 Cys Ser Ser Lys Val Ala Phe Tyr Asn Glu Ile Phe Leu Ser Val Thr
108 270 275 280
110 gca att agc tgc tat gat ttg ctt ctc ttt gtc ttt ggg gga agc cat 1037
111 Ala Ile Ser Cys Tyr Asp Leu Leu Leu Phe Val Phe Gly Gly Ser His
112 285 290 295
114 tgg ttt aag caa aag ata att ggc tta tgg aat tgt gtt ttg tgc cgt 1085
115 Trp Phe Lys Gln Lys Ile Ile Gly Leu Trp Asn Cys Val Leu Cys Arg
116 300 305 310
118 tagccacaaa ctacagtatt catatttgct tcctttatat tgggaataaa atgggtatag 1145
119 gggaggtaag aatggtatatt cattacttga tcaaaacccat gccttgatgt acccaaaaca 1205
120 aaaggactat aaaatgcaag agccctcatt gtagtccctta tgggatccct cccatctctg 1265
121 agtgatggcc gtacaaagac cagtgttggt gaatccacct ggagttgcaa tattacatta 1325
W--> 122 ttttccagta cagaatgtct gtgtggccca tgaagcaac atagggtttta agagttttna 1385
123 gagtttcatt agctcattct aagttcctct gtttgaagca tggctctcta ggttttggac 1445
124 tgaactcaga cctttagttc ttttcatccc acttcacccat aggtaagtaa attctggcca 1505
125 ccacccagct ccaaagacac aaactctcct tcgctaacca ggttagatgt cccattcatc 1565
126 tcatgccctg ataaaaactg ataaggggag agaatagtta aaaatttttc tagggatatca 1625
127 taactctggt aggaagtcat ctgtctagac tcgagcaagc ttatgcatgc atgcggccg 1684

```

RAW SEQUENCE LISTING

DATE: 10/25/2002

PATENT APPLICATION: US/10/085,233B

TIME: 10:37:57

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\10252002\J085233B.raw

```

129 <210> SEQ ID NO: 2
130 <211> LENGTH: 313
131 <212> TYPE: PRT
132 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 2
135 Met Gln Lys Cys Asp Phe Pro Ser Met Pro Gly His Asn Thr Ser Arg
136 1 5 10 15
137 Asn Ser Ser Cys Asp Pro Ile Val Thr Pro His Leu Ile Ser Leu Tyr
138 20 25 30
139 Phe Ile Val Leu Ile Gly Gly Leu Val Gly Val Ile Ser Ile Leu Phe
140 35 40 45
141 Leu Leu Val Lys Met Asn Thr Arg Ser Val Thr Thr Met Ala Val Ile
142 50 55 60
143 Asn Leu Val Val Val His Ser Val Phe Leu Leu Thr Val Pro Phe Arg
144 65 70 75 80
145 Leu Thr Tyr Leu Ile Lys Lys Thr Trp Met Phe Gly Leu Pro Phe Cys
146 85 90 95
147 Lys Phe Val Ser Ala Met Leu His Ile His Met Tyr Leu Thr Phe Leu
148 100 105 110
149 Phe Tyr Val Val Ile Leu Val Thr Arg Tyr Leu Ile Phe Phe Lys Cys
150 115 120 125
151 Lys Asp Lys Val Glu Phe Tyr Arg Lys Leu His Ala Val Ala Ala Ser
152 130 135 140
153 Ala Gly Met Trp Thr Leu Val Ile Val Ile Val Val Pro Leu Val Val
154 145 150 155 160
155 Ser Arg Tyr Gly Ile His Glu Glu Tyr Asn Glu Glu His Cys Phe Lys
156 165 170 175
157 Phe His Lys Glu Leu Ala Tyr Thr Tyr Val Lys Ile Ile Asn Tyr Met
158 180 185 190
159 Ile Val Ile Phe Val Ile Ala Val Ala Val Ile Leu Leu Val Phe Gln
160 195 200 205
161 Val Phe Ile Ile Met Leu Met Val Gln Lys Leu Arg His Ser Leu Leu
162 210 215 220
163 Ser His Gln Glu Phe Trp Ala Gln Leu Lys Asn Leu Phe Phe Ile Gly
164 225 230 235 240
165 Val Ile Leu Val Cys Phe Leu Pro Tyr Gln Phe Phe Arg Ile Tyr Tyr
166 245 250 255
167 Leu Asn Val Val Thr His Ser Asn Ala Cys Ser Ser Lys Val Ala Phe
168 260 265 270
169 Tyr Asn Glu Ile Phe Leu Ser Val Thr Ala Ile Ser Cys Tyr Asp Leu
170 275 280 285
171 Leu Leu Phe Val Phe Gly Gly Ser His Trp Phe Lys Gln Lys Ile Ile
172 290 295 300
173 Gly Leu Trp Asn Cys Val Leu Cys Arg
174 305 310
176 <210> SEQ ID NO: 3
177 <211> LENGTH: 939
178 <212> TYPE: DNA
179 <213> ORGANISM: Homo sapiens

```

RAW SEQUENCE LISTING

DATE: 10/25/2002

PATENT APPLICATION: US/10/085,233B

TIME: 10:37:57

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\10252002\J085233B.raw

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181 <220> FEATURE:
182 <221> NAME/KEY: CDS
183 <222> LOCATION: (1)...(939)
185 <400> SEQUENCE: 3
186 atg caa aaa tgt gac ttc cca agt atg cct ggc cac aat acc tcc agg 48
187 Met Gln Lys Cys Asp Phe Pro Ser Met Pro Gly His Asn Thr Ser Arg
188 1 5 10 15
190 aat tcc tct tgc gat cct ata gtg aca ccc cac tta atc agc ctc tac 96
191 Asn Ser Ser Cys Asp Pro Ile Val Thr Pro His Leu Ile Ser Leu Tyr
192 20 25 30
194 ttc ata gtg ctt att ggc ggg ctg gtg ggt gtc att tcc att ctt ttc 144
195 Phe Ile Val Leu Ile Gly Gly Leu Val Gly Val Ile Ser Ile Leu Phe
196 35 40 45
198 ctc ctg gtg aaa atg aac acc cgg tca gtg acc acc atg gcg gtc att 192
199 Leu Leu Val Lys Met Asn Thr Arg Ser Val Thr Thr Met Ala Val Ile
200 50 55 60
202 aac ttg gtg gtg gtc cac agc gtt ttt ctg ctg aca gtg cca ttt cgc 240
203 Asn Leu Val Val Val His Ser Val Phe Leu Leu Thr Val Pro Phe Arg
204 65 70 75 80
206 ttg acc tac ctc atc aag aag act tgg atg ttt ggg ctg ccc ttc tgc 288
207 Leu Thr Tyr Leu Ile Lys Lys Thr Trp Met Phe Gly Leu Pro Phe Cys
208 85 90 95
210 aaa ttt gtg agt gcc atg ctg cac atc cac atg tac ctc acg ttc cta 336
211 Lys Phe Val Ser Ala Met Leu His Ile His Met Tyr Leu Thr Phe Leu
212 100 105 110
214 ttc tat gtg gtg atc ctg gtc acc aga tac ctc atc ttc ttc aag tgc 384
215 Phe Tyr Val Val Ile Leu Val Thr Arg Tyr Leu Ile Phe Phe Lys Cys
216 115 120 125
218 aaa gac aaa gtg gaa ttc tac aga aaa ctg cat gct gtg gct gcc agt 432
219 Lys Asp Lys Val Glu Phe Tyr Arg Lys Leu His Ala Val Ala Ala Ser
220 130 135 140
222 gct ggc atg tgg acg ctg gtg att gtc att gtg gta ccc ctg gtt gtc 480
223 Ala Gly Met Trp Thr Leu Val Ile Val Ile Val Val Pro Leu Val Val
224 145 150 155 160
226 tcc cgg tat gga atc cat gag gaa tac aat gag gag cac tgt ttt aaa 528
227 Ser Arg Tyr Gly Ile His Glu Glu Tyr Asn Glu Glu His Cys Phe Lys
228 165 170 175
230 ttt cac aaa gag ctt gct tac aca tat gtg aaa atc atc aac tat atg 576
231 Phe His Lys Glu Leu Ala Tyr Thr Tyr Val Lys Ile Ile Asn Tyr Met
232 180 185 190
234 ata gtc att ttt gtc ata gcc gtt gct gtg att ctg ttg gtc ttc cag 624
235 Ile Val Ile Phe Val Ile Ala Val Ala Val Ile Leu Leu Val Phe Gln
236 195 200 205
238 gtc ttc atc att atg ttg atg gtg cag aag cta cgc cac tct tta cta 672
239 Val Phe Ile Ile Met Leu Met Val Gln Lys Leu Arg His Ser Leu Leu
240 210 215 220
242 tcc cac cag gag ttc tgg gct cag ctg aaa aac cta ttt ttt ata ggg 720
243 Ser His Gln Glu Phe Trp Ala Gln Leu Lys Asn Leu Phe Phe Ile Gly
244 225 230 235 240

```

RAW SEQUENCE LISTING

DATE: 10/25/2002

PATENT APPLICATION: US/10/085,233B

TIME: 10:37:57

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\10252002\J085233B.raw

```

246 gtc atc ctt gtt tgt ttc ctt ccc tac cag ttc ttt agg atc tat tac 768
247 Val Ile Leu Val Cys Phe Leu Pro Tyr Gln Phe Phe Arg Ile Tyr Tyr
248 245 250 255
250 ttg aat gtt gtg acg cat tcc aat gcc tgt agc agc aag gtt gca ttt 816
251 Leu Asn Val Val Thr His Ser Asn Ala Cys Ser Ser Lys Val Ala Phe
252 260 265 270
254 tat aac gaa atc ttc ttg agt gta aca gca att agc tgc tat gat ttg 864
255 Tyr Asn Glu Ile Phe Leu Ser Val Thr Ala Ile Ser Cys Tyr Asp Leu
256 275 280 285
258 ctt ctc ttt gtc ttt ggg gga agc cat tgg ttt aag caa aag ata att 912
259 Leu Leu Phe Val Phe Gly Gly Ser His Trp Phe Lys Gln Lys Ile Ile
260 290 295 300
262 ggc tta tgg aat tgt gtt ttg tgc cgt 939
263 Gly Leu Trp Asn Cys Val Leu Cys Arg
264 305 310
266 <210> SEQ ID NO: 4
267 <211> LENGTH: 356
268 <212> TYPE: PRT
269 <213> ORGANISM: Mus muscalis
271 <400> SEQUENCE: 4
272 Met Glu Ile Pro Ala Val Thr Glu Pro Ser Tyr Asn Thr Val Ala Lys
273 1 5 10 15
274 Asn Asp Phe Met Ser Gly Phe Leu Cys Phe Ser Ile Asn Val Arg Ala
275 20 25 30
276 Phe Gly Ile Thr Val Pro Thr Pro Leu Tyr Ser Leu Val Phe Ile Ile
277 35 40 45
278 Gly Val Ile Gly His Val Leu Val Val Leu Val Leu Ile Gln His Lys
279 50 55 60
280 Arg Leu Arg Asn Met Thr Ser Ile Tyr Leu Phe Asn Leu Ala Ile Ser
281 65 70 75 80
282 Asp Leu Val Phe Leu Ser Thr Leu Pro Phe Trp Val Asp Tyr Ile Met
283 85 90 95
284 Lys Gly Asp Trp Ile Phe Gly Asn Ala Met Cys Lys Phe Val Ser Gly
285 100 105 110
286 Phe Tyr Tyr Leu Gly Leu Tyr Ser Asp Met Phe Phe Ile Thr Leu Leu
287 115 120 125
288 Thr Ile Asp Arg Tyr Leu Ala Val Val His Val Val Phe Ala Leu Arg
289 130 135 140
290 Ala Arg Thr Val Thr Phe Gly Ile Ile Ser Ser Ile Ile Thr Trp Val
291 145 150 155 160
292 Leu Ala Ala Leu Val Ser Ile Pro Cys Leu Tyr Val Phe Lys Ser Gln
293 165 170 175
294 Met Glu Phe Thr Tyr His Thr Cys Arg Ala Ile Leu Pro Arg Lys Ser
295 180 185 190
296 Leu Ile Arg Phe Leu Arg Phe Gln Ala Leu Thr Met Asn Ile Leu Gly
297 195 200 205
298 Leu Ile Leu Pro Leu Leu Ala Met Ile Ile Cys Tyr Thr Arg Ile Ile
299 210 215 220
300 Asn Val Leu His Arg Arg Pro Asn Lys Lys Lys Ala Lys Val Met Arg

```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/25/2002
PATENT APPLICATION: US/10/085,233B TIME: 10:37:58

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF4\10252002\J085233B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1384

Seq#:6; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,14,15,16,17

VERIFICATION SUMMARY

DATE: 10/25/2002

PATENT APPLICATION: US/10/085,233B

TIME: 10:37:58

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\10252002\J085233B.raw

L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1325
L:344 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:349 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:354 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:359 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:364 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:369 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:374 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:379 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:385 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:390 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:395 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:400 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:404 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:409 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:415 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:421 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:425 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:16



**Does Not Comply
Corrected Diskette Needed**

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/085,233B

DATE: 10/25/2002

TIME: 10:31:19

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\10252002\J085233B.raw

4 <110> APPLICANT: GLUCKSMANN, MARIA ALEXANDRA
6 <120> TITLE OF INVENTION: 93870, A HUMAN G-PROTEIN COUPLED
7 RECEPTOR AND USES THEREFOR
9 <130> FILE REFERENCE: MPI2001-021P1RCP1M
11 <140> CURRENT APPLICATION NUMBER: 10/085,233B
13 <141> CURRENT FILING DATE: 2002-02-28
15 <150> PRIOR APPLICATION NUMBER: 60/272,677
17 <151> PRIOR FILING DATE: 2001-03-01
19 <160> NUMBER OF SEQ ID NOS: 6
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

336 <210> SEQ ID NO: 6
337 <211> LENGTH: 17
338 <212> TYPE: PRT
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:
342 <223> OTHER INFORMATION: Consensus
W--> 344 <221> NAME/KEY: VARIANT
345 <222> LOCATION: (1)...(1)
346 <223> OTHER INFORMATION: Xaa at position 1 can be G or S or T or A or
347 L or I or V or M or F or Y or W or C
W--> 349 <221> VARIANT
350 <222> LOCATION: (2)...(2)
351 <223> OTHER INFORMATION: Xaa at position 2 can be G or S or T or A or
352 N or P or D or E
W--> 354 <221> VARIANT
355 <222> LOCATION: (3)...(3)
356 <223> OTHER INFORMATION: Xaa at position 3 can not be E or D or
357 P or K or R or H
W--> 359 <221> VARIANT
360 <222> LOCATION: (4)...(4)
361 <223> OTHER INFORMATION: Xaa at position 4 can
362 be any amino acid
W--> 364 <221> VARIANT
365 <222> LOCATION: (5)...(5)
366 <223> OTHER INFORMATION: Xaa at position 5 can
367 be any amino acid
W--> 369 <221> VARIANT
370 <222> LOCATION: (6)...(6)
371 <223> OTHER INFORMATION: Xaa at position 6 can be L or I or V or M or

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/085,233B

DATE: 10/25/2002

TIME: 10:31:19

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\10252002\J085233B.raw

```

372      N or Q or G or A
W--> 374 <221> VARIANT
375 <222> LOCATION: (7)...(7)
376 <223> OTHER INFORMATION: Xaa at position 7 can
377      be any amino acid
W--> 379 <221> VARIANT
380 <222> LOCATION: (8)...(8)
381 <223> OTHER INFORMATION: Xaa at position 8 can
382      be any amino acid
W--> 385 <221> VARIANT
386 <222> LOCATION: (9)...(9)
387 <223> OTHER INFORMATION: Xaa at position 9 can be L or I or V or M or
388      F or T
W--> 390 <221> VARIANT
391 <222> LOCATION: (10)...(10)
392 <223> OTHER INFORMATION: Xaa at position 10 can be G or S or T or A or
393      N or C
W--> 395 <221> VARIANT
396 <222> LOCATION: (11)...(11)
397 <223> OTHER INFORMATION: Xaa at position 11 can be L or I or V or M
398      or F or Y or W or S or T or A or C
W--> 400 <221> VARIANT
401 <222> LOCATION: (12)...(12)
402 <223> OTHER INFORMATION: Xaa at position 12 can be D or E or N or H
W--> 404 <221> VARIANT
405 <222> LOCATION: (14)...(14)
406 <223> OTHER INFORMATION: Xaa at position 14 can be F or Y or W or C
407      or S or H
W--> 409 <221> VARIANT
410 <222> LOCATION: (15)...(15)
411 <223> OTHER INFORMATION: Xaa at position 15
412      can be any amino acid
W--> 415 <221> VARIANT
416 <222> LOCATION: (16)...(16)
417 <223> OTHER INFORMATION: Xaa at position 16
418      can be any amino acid
W--> 421 <221> VARIANT
422 <222> LOCATION: (17)...(17)
423 <223> OTHER INFORMATION: Xaa at position 17 can be L or I or V or M
W--> 425 <400> 6
W--> 426 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Arg Xaa Xaa Xaa
427      1              5              10              15
W--> 428 Xaa
E--> 431 (- 1 -) - delete

```

VERIFICATION SUMMARY

DATE: 10/25/2002

PATENT APPLICATION: US/10/085,233B

TIME: 10:31:20

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\10252002\J085233B.raw

L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1325
L:344 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:349 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:354 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:359 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:364 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:369 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:374 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:379 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:385 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:390 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:395 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:400 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:404 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:409 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:415 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:421 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:425 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:16
L:431 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:6